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		<del></del>
EXCHANGE INTERACTION PARDMETER he	<b>G</b>	0000
HICKNESS DIAMETER (nm)	и	
THICKNESS (nm)	10	1/1/10
	IN-PLANE SINGLE-LAYER MEDIUM	PERPENDICULAR/ IN-PLANE COMPOSITE MEDIUM

\* IN THE ORDER OF PERPENDICULAR MAGNETIC FILM, NONMAGNETIC SPACER, AND IN-PLANE MAGNETIC FILM.

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	PER	PERPENDICULAR MAGNETIC FILM	LAR	-NI AM	IN-PLANE MAGNETIC FILM	ILM	>	TRANSITION
(em	(emu/cc)	Hk (k0e)	r E	Ms Hk (emu/cc) (kOe)	H (kOe)	tBr (Gum)	(%)	BREADTH πa(%)
IN-PLANE SINGLE-LAYER				1	•		%0	%0
-	250	8	3.1	200	4	4	-1.6%	-0.4%
IN-PLANE COMPOSITE MEDIUM	200	&	6.3				-16.0%	7.9%

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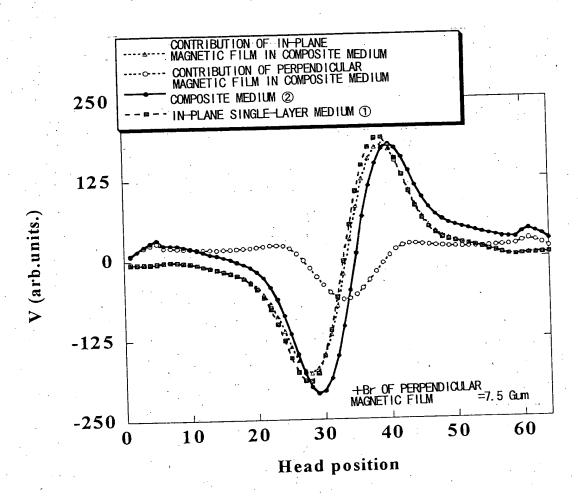
EXCHANGE INTERACTION PARDMETER he	2 2 2	
PARTICLE PHICKNESS DIAMETER (nm)	Ľ	
THICKNESS (nm)	9	1/1/6*
	IN-PLANE SINGLE-LAYER MEDIUM	PERPENDICULAR/ IN-PLANE COMPOSITE MEDIUM

\* IN THE ORDER OF PERPENDICULAR MAGNETIC FILM, NONMAGNETIC SPACER, AND IN-PLANE MAGNETIC FILM.

## FIG.5

		PEF	PERPENDICULAR	AR	-NI -NI AM	IN-PLANE MAGNETIC FILM	Σ	Output@ 460kfci	S/N	S/N@460kfci
		Ž.	CINE ITO I II							
	1	Ms (emu/cc)	(KOe)	tBr (Gum)	Ms (emu/cc)	Hk (kOe)	tBr (Gum)	>%	S/Nm (dB)	DIFFERENTIAL (dB)
IN-PLANE	$\Theta$							%0:0	13.9	0:0
MEDIUM										
	0	009	22	7.5			-	-1.0%	14.8	6.0+
,	@	00%	8	2.5	009	12.6	56.5	-6.3%	15.1	+1.2
PERPENDICULAR/	)	207								
IN-PLANE COMPOSITE MEDIUM (	<b>(4)</b>	200	15	2.5				-3.6%	14.2	+0.3
	(c	00%	.0	2.5	-T			2.5%	14.2	+0.3

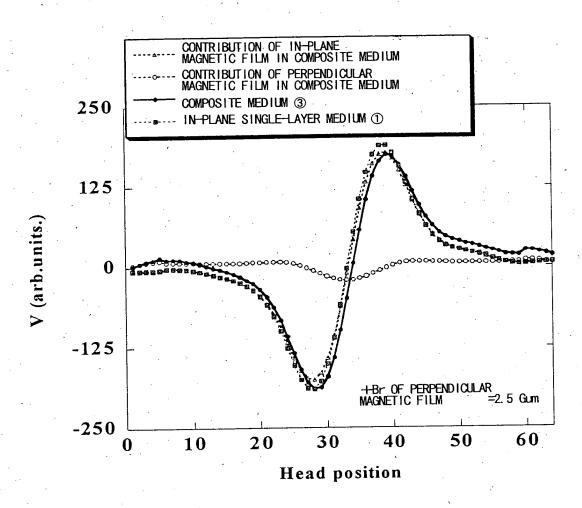
FIG. 6A



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FIG. 6B



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MAGNETICE PECORDING NEDIUM USING Accordance
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Ms OF Merpendicular Magnetic Film (emu/cc)  Hk OF Merol Cular Megnetic Film (kOe)	200 17.5	200 18.0	200 18.0
HK OF IN-PLANE MAGNETIC FILM (kOe)	12.6	12.6	12.6
Ms OF IN-PLANE MAGNETIC FILM (emu/cc)	009	009	009
RECORDING HEAD MAGNETIC FIELD AT THE CENTER OF THE MEDIUM (kOe)	7.1	7.5	8.5

FIG.8A

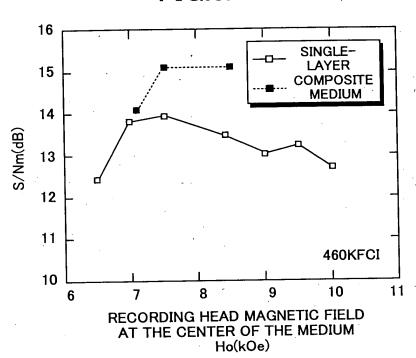
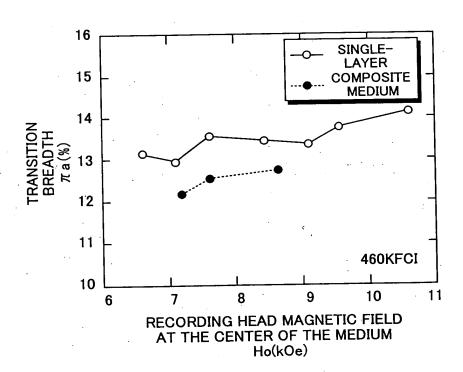
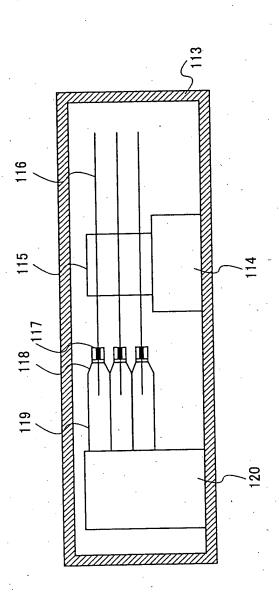


FIG.8B



MAGNETIC RECORDING MEDIUM USING Acco Maeda et al. Greer, Burns & Crain, Ltd. (Patrick Burnef. No. 0941.65907 Sheet 10 of 11 (312) 360 0080

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